

**VASCULAR IRRIGATION SOLUTION AND METHOD FOR INHIBITION OF
PAIN, INFLAMMATION, SPASM AND RESTENOSIS**

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ABSTRACT OF THE DISCLOSURE

10 A method and solution for perioperatively inhibiting a variety of pain,
inflammation, spasm and restenosis processes resulting from cardiovascular or general
vascular therapeutic and diagnostic procedures. The solution preferably includes
multiple pain and inflammation inhibitory agents and spasm inhibitory agents at dilute
concentration in a physiologic carrier, such as saline or lactated Ringer's solution.
Specific preferred embodiments of the solution of the present invention for use in
cardiovascular and general vascular procedures also include anti-restenosis agents. The
solution is introduced lumenally to continuously irrigate an arterial site during an
operative/interventional or diagnostic procedure for preemptive inhibition of pain and
15 inflammation, vascular and non-vascular smooth muscle spasm, and restenosis while
avoiding undesirable side effects associated with oral, intramuscular, subcutaneous or
intravenous application of larger doses of the agents. One preferred solution to inhibit
pain, inflammation, vasospasm and restenosis includes a serotonin₂ antagonist, a
cyclooxygenase inhibitor, an endothelin antagonist, an ATP-sensitive K⁺ channel
20 antagonist, a Ca²⁺ channel antagonist, a nitric oxide donor, an anti-thrombin agent, a
glycoprotein IIb/IIIa receptor blocker, a PKC inhibitor and a protein tyrosine kinase
inhibitor.